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Attorney Docket No.  
D/A3265

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Kimberly Moravec et al.

Group Art Unit: 2673

Application No.: 10/757,490

Examiner: Not Yet Assigned

Filed: 1/15/2004

For: METHOD AND APPARATUS FOR AUTOMATICALLY DETERMINING IMAGE FOREGROUND COLOR

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) and information listed on the attached PTO-1449 Form. One legible copy of each is attached to the PTO-1449 Form, except for U.S. Patents or published U.S. applications. It is respectfully requested that the references and information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of the above application (which is not a CPA), OR (b) before the mailing date of a first Office Action on the merits. *No certification or fee is required.*
- 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). *(A copy of this paper is attached.)*
- 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance; AND
  - a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); **(OR)**

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- 5. Per 37 C.F.R. 1.98(a)(3), a concise explanation of the relevance of each of any submitted item that is NOT in the English language is either enclosed herewith, or incorporated in the application specification.
- 6. A copy of an English language version of an above-referenced counterpart foreign application search report is attached.
- 7. Copies of some or all of the subject references were cited by, or submitted to the Office in related parent Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon under 35 U.S.C. §120. Thus, copies of these references are not attached (except for copies of cited pending applications). 37 C.F.R. §1.98(d).
- 8. A copy of each copending application recited in the parent application of paragraph 7 above, and/or a copy of other related copending applications, is enclosed.

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Thomas Zell  
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Date 08/06/2004



Form PTO-1449 US Dept. of Commerce PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		ATTY DOCKET NO. D/A3265		APPLICATION NO. 10/757,490	
		APPLICANT Kimberly Moravec et al.			
		FILING DATE 1/15/2004		GROUP ART UNIT 2673	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS
	5,424,945	6/13/1995	Bell	364	419.2
	5,508,718	4/16/1996	Haikin	345	150
	5,615,320	3/25/1997	Lavendel	395	131
	5,889,932	3/30/1999	Adegeest et al.	395	117
	5,909,220	6/1/1999	Sandow	345	431
	2001/0049591 A1	12/6/2001	Brunt et al.	703	001

## FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N
	WO	01/93202 A2	12/06/01	IMPERIAL CHEMICAL INDUSTRIES PLC	Y

## OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

	YURI BOYKOV, OLGA VEKSLER, RAMIN ZABIH, "Fast Approximate Energy Minimization via Graph Cuts", IEEE transactions on Pattern Analysis and Machine Intelligence (PAMI), vol. 23, no. 11, pp. 1222-1239, 2001.
	K.S. FU AND J.K. MUI, "A Survey On Image Segmentation", Pattern Recognition, vol. 13, pp. 3-16, 1981.
	R.M. HARALICK, "Image Segmentation Survey", in Fundamentals in Compu 1983ter Vision, O. D. Faugeras (ed.), pp. 209-224, Cambridge University Press, Cambridge, 1983.
	R.M. HARALICK AND L.G. SHAPIRO, "Survey - Image Segmentation Techniques", Computer Vision Graphics and Image Processing, vol. 29, pp. 100-132, 1985.
	N.R. PAL AND S.K. PAL, "A Review On Image Segmentation Techniques", Pattern Recognition, vol. 26, pp. 1277-1294, 1993.
	P.K. SAHOO, S. SOLTANI, A.K.C. WONG AND Y.C. CHEN, "A Survey Of Thresholding Techniques", Computer Vision, Graphics and Image Processing, vol. 41, pp. 233-260, 1988.
	J. SHI AND J. MALIK, "Normalized Cuts and Image Segmentation", IEEE Transactions on Pattern Analysis and Machine Intelligence vol. 22, pp. 888 – 905, 2000.
	U.S. Patent Application Serial No. 10/880,688, entitled "System And Method For Measuring And Quantizing Document Quality", filed 6/30/2004 (Docket No. 20021551-US-NP), which claims priority from US Provisional Patent Application, Serial Number 60/491,043, filed on July 30, 2003, and from US Provisional Patent Application, Serial Number 60/491,042, filed on July 30, 2003.
	U.S. Patent Application Serial No. 10/881,188, entitled "System And Method For Measuring And Quantizing Document Quality", filed 6/30/2004 (Docket No. 20021552-US-NP), which claims priority from US Provisional Patent Application, Serial Number 60/491,043, filed on July 30, 2003, and from US Provisional Patent Application, Serial Number 60/491,042, filed on July 30, 2003.

## EXAMINER

## DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.